

EQUIVDOC INC 'J57196717'

***** Item Number 1 of 1 *****

DESCRIP :: PATENT
TITLE :: Powdered silica uniformly dispersible in organic solvent -
comprising colloid sized silica particles with alkoxy radicals
bound to their surfaces
ASSIGNEE :: SHOKUBAI KASEI KOGYO
PACODE :: NISH
ACCNNO :: 132871
DATE :: Dec 02, 1982
ABSTRACT :: < BASIC> Powdered silica uniformly dispersible in colloidal form
in anorganic solvent (hydrophillic and hydrophobic), comprises
colloid sized SiO2 particles having a size of 5-30 microns, the
surfaces of which are coated with a 2-18C alkoxy radical. The amt.
of the alkoxy radical chemically bound to the surface of the SiO2
particles is 2-50 moieties per 10 sq.microns of the surface of the
SiO2 particles. The powdered SiO2 is prepd. by subjecting a silica
hydrosol having viscosity of less than 100 cps at SiO2 concn. of
20 wt.% to solvent substitution to give an organosilica sol having
H2O content of less than 20 wt.%, heating the organosilica sol at
170-300 deg. C in liq. state in presence of a 2-18C alcohol to
chemically bind 2-18C alkoxy radical to SiO2, and removing liq.
phase component from the reaction mixt. (6pp)
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PNBASIC :: J57196717
PRIORNO :: J08179825
DATEPR :: May 25, 1981
EQUIVDOC :: J90001089 J57196717 J08179825 JPAT
SUBJECTP :: Radiation/Radical; Si-OR/Si-Alkoxy; Si-OR/Si-Alkoxy; Si-Resin;
Si-Resin
LANG :: JAPANESE
TYPE :: PTNT
IPCODE :: C01B-033/15; C09C-001/30
DPCODE :: E36
MANUAL :: E10-E04L; E31-P03
YEAR :: 1982
YEARPR :: 1981
COMMENT :: 83-05683K/03 < XRAM> C83-00561
RDATEMD :: Nov 13, 2001
SECCODE :: 0
UPDATER :: TDD